

MT-485025/NVH

## 5.15-5.875 GHz 23dBi Dual Polarization Subscriber Antenna

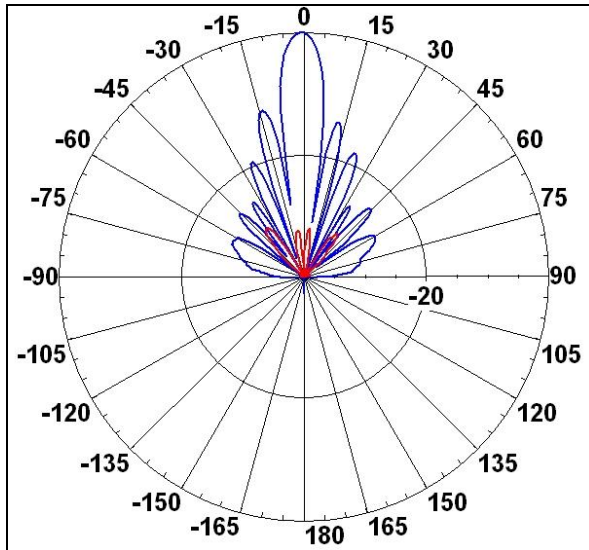


### Specifications

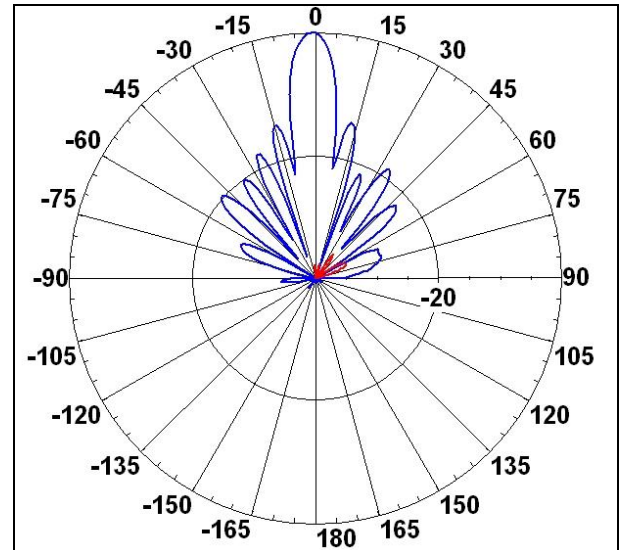
MTI PART NUMBER		MT - 485025/NVH		
<b>ELECTRICAL</b>				
REGULATORY COMPLIANCE	ETSI EN 302 085 V.1.2.2 (2001-02) Range 1, RoHS, CE 0682			
FREQUENCY RANGE	5.15 - 5.35 GHz and 5.725 - 5.875 GHz			
GAIN	22.5 dBi ± 0.5 @ 5.15-5.25 GHz (Port H)			
	23 dBi ± 0.5 @ 5.25-5.875 GHz (Port H)			
	23 dBi (min) (Port V)			
VSWR	1.7 : 1 (max) 1.5:1 (typ)			
3 dB BEAMWIDTH	9° (typ)			
POLARIZATION	Dual Linear Vertical & Horizontal			
SIDELOBES LEVEL	ETSI EN 302 085 V.1.1.2 TS1-TS3			
CROSS POLARIZATION	ETSI EN 302 085 V.1.1.2 TS1-TS3			
PORT TO PORT ISOLATION	40dB (min)			
F/B RATIO	-35 dB (min)			
INPUT IMPEDANCE	50 (ohm)			
INPUT POWER	6W (max)			
LIGHTNING PROTECTION	DC Grounded			
<b>MECHANICAL</b>				
DIMENSIONS (LxWxD)	371x371x40mm (max)			
WEIGHT	2.5 kg (max)			
CONNECTOR	2 N-Type Female			
RADOME	Plastic			
BASE PLATE	Aluminum with chemical conversion coating			
OUTLINE DRAWING	See page 2			
MOUNTING KIT	MT-120018			
<b>ENVIRONMENTAL</b>				
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	-
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	-
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
VIBRATION	IEC 60721-3-4	30 min/axis	-	Random 4M3
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M3
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP67
SOLAR RADIATION	ASTAM G53	1000 h	-	-
FLAMMABILITY	UL 94	-	-	Class HB
SALT SPRAY	IEC 68-2-11 Ka	500 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED SURVIVAL OPERATION	-	-	-	220 Km/h
	-	-	-	160 Km/h
WIND LOAD SUR. FRONT TH. SIDE TH	-	-	-	39.6 kg
	-	-	-	4.3 kg

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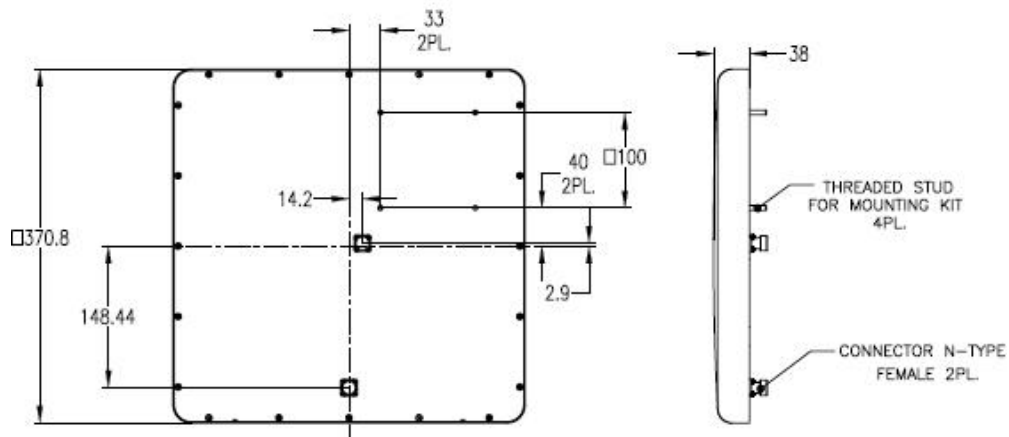
Azimuth Radiation Pattern  
 Midband Freq. 5.47 GHz



Elevation Radiation Pattern  
 Midband Freq. 5.47 GHz



### Dimensions [mm]



### Existing Antenna Versions

MT-485025/SVH/E	Integrated Antenna Enclosure
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MTI Wireless Edge is certified according to ISO 9001 and ISO 14001.

#### WAIVER!

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